

10/522631

Rec'd PTO 21 JAN 2005/B

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN03/00589

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 C08L5/08, C09K5/17, C02F1/62, 11/14, B09B3/00, B09C1/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC C08L5/00, 5/08, C08B37/06, C02F1/00, 1/62, 1/52, 11/00, 11/14, C09K5/17, 5/00, B01J20/22, 20/24,
B09B3/00, B09C1/00, 1/02

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP62-262743A(Lion Corp.), 14, Nov. 1987(14.11.1987), example 1-6	1,2,4,6,8,9,12-15
Y		3,5,7,10,11
X	JP9-174020A(MIYOSHI YUSHI KK), 08, Jul. 1997(08.07.1997), example 7 and 8	1,2,4,6,8,9,12-15
Y		3,5,7,10,11
X	JP62-266196A(Lion Corp.), 18, Nov. 1987(18.11.1987), example 1-9	1,2,4,6,8,9,12-15
Y		3,5,7,10,11
Y	JP9-040936A(MIYOSHI YUSHI KK), 10, Feb. 1997(10.02.1997), example 1-11	3,5,7,10,11

☒ Further documents are listed in the continuation of Box C. ☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim (S) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

12.Dec., 2003

Date of mailing of the international search report

25 DEC 2003 (25.12.03)

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Form PCT/ISA/210 (second sheet) (July 1998)

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN03/00589

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP581164A(MIYOSHI YUSHI KK),02.Feb..1994(02.02.94),example 1--4	1,2,4,6,8,9,12-15
Y	EP211305A(MIYOSHI YUSHI KK),21.Jul.1987(21.07.87),example 1--20	1,2,4,6,8,9,12-15
Y	US5387365(MIYOSHI YUSHI KK),07.Feb.1995(07.02.95),example 1-17	1,2,4,6,8,9,12-15
A	US2168375(Visking corp.),09.09.37(09.09.37), claim 1	1,2,4,6,8,9,12-15
A	JP5-50055A(MIYOSHI YUSHI KK),02, March 1993(02.03.93), example 1-4	1,2,4,6,8,9,12-15

INTERNATIONAL SEARCH REPORT
 Information on patent family members

International application No.

PCT/CN03/00589

Patent document cited in research report	Publication date	Patent family member(s)	Publication date
JP62-262743A	14.11.1987	none	
JP9-174020A	08.07.1997	none	
JP62-266196A	18.11.1987	none	
JP9-040936A	10.02.1997	none	
EP581164A	02.02.1994	US5395896	07.03.1995
		JP6-49636A	22.02.1994
		AU4208593A	03.02.1994
EP211305A	21.07.1987	US4731187	15.03.1988
		JP62-033590A	13.02.1987
US5387365	07.02.1995	EP433580A	26.06.1991
		JP3-231921A	15.10.1991
US21683757	09.09.1937	none	
JP5-50055A	02.03.1993	JP3243261B2	07.01.2002

国际检索报告

国际申请号

PCT/CN03/00589

A. 主题的分类

IPC7 C08L5/08, C09K5/17, C02F1/62, 11/14, B09B3/00, B09C1/02

按照国际专利分类表(IPC)或者同时按照国家分类和 IPC 两种分类

B. 检索领域 IPC C08L5/00, 5/08, C08B37/06, C02F1/00, 1/62, 1/52, 11/00, 11/14, C09K5/17, 5/00, B01J20/22, 20/24, B09B3/00, B09C1/00, 1/02

检索的最低限度文献(标明分类体系和分类号)

包含在检索领域中的除最低限度文献以外的检索文献

在国际检索时查阅的电子数据库(数据库的名称和, 如果实际可行的, 使用的检索词)

C. 相关文件

类 型*	引用文件, 必要时, 指明相关段落	相关的权利要求编号
X Y	JP 昭 62-262743A(Lion Corp.), 14, 11 月 1987(14.11.1987), 实施例 1—6	1, 2, 4, 6, 8, 9, 12-15 3, 5, 7, 10, 11
X Y	JP 平 9-174020A(MIYOSHI YUSHI KK), 08, 07 月 1997(08.07.1997), 实施例 7 和 8	1, 2, 4, 6, 8, 9, 12-15 3, 5, 7, 10, 11
X Y	JP 昭 62-266196A(Lion Corp.), 18, 11 月 1987(18.11.1987), 实施例 1—9	1, 2, 4, 6, 8, 9, 12-15 3, 5, 7, 10, 11
Y	JP 平 9-040936A(MIYOSHI YUSHI KK), 10, 02 月 1997(10.02.1997), 实施例 1-11	3, 5, 7, 10, 11

☒ 其余文件在 C 栏的续页中列出。

☒ 见同族专利附件。

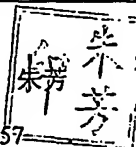
* 引用文件的专用类型:
 “A”明确叙述了被认为不是特别相关的一般现有技术的文件
 “E”在国际申请日的当天或之后公布的在先的申请或专利
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 “X”特别相关的文件, 仅仅考虑该文件, 权利要求所记载的发明就不能认为是新颖的或不能认为是有创造性
 “Y”特别相关的文件, 当该文件与另一篇或者多篇该类文件结合并且这种结合对于本领域技术人员为显而易见时, 权利要求记载的发明不具有创造性
 “&”同族专利成员的文件

国际检索实际完成的日期
12.12 月 2003(12.12.2003)

国际检索报告邮寄日期
25.12月2003 (25.12.03)

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传真号: 86-10-62019451

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国际检索报告

国际申请号
PCT/CN03/00589

C(续). 相关文件		
类 型*	引用文件, 必要时, 指明相关段落	相关的权利要求编号
Y	EP581164A(MIYOSHI YUSHI KK),02.02 月.1994(02.02.94),实施例 1-4	1,2,4,6,8,9,12-15
Y	EP211305A(MIYOSHI YUSHI KK),21.07 月.1987(21.07.87),实施例 1-20	1,2,4,6,8,9,12-15
Y	US5387365(MIYOSHI YUSHI KK),07.Feb.1995(07.0.2.95),实施例 1-17	1,2,4,6,8,9,12-15
A	US2168375(Visking corp.),09.09 月.37(09.09.37), 权利要求 1	1,2,4,6,8,9,12-15
A	JP 平 5-50055A(MIYOSHI YUSHI KK),02,03 月 1993(02.03.93), 实施例 1-4	1,2,4,6,8,9,12-15

国际检索报告
关于同族专利成员的情报

国际申请号
PCT/CN03/00589

检索报告中引用的 专利文件	公布日期	同族专利成员	公布日期
JP 昭 62-262743A	14.11.1987	无	
JP 平 9-174020A	08.07.1997	无	
JP 昭 62-266196A	18.11.1987	无	
JP 平 9-040936A	10.02.1997	无	
EP581164A	02.02.1994	US5395896 JP 平 6-49636A	07.03.1995 22.02.1994
		AU4208593A	03.02.1994
EP211305A	21.07.1987	US4731187	15.03.1988
		JP 昭 62-033590A	13.02.1987
US5387365	07.02.1995	EP433580A	26.06.1991
		JP 平 3-231921A	15.10.1991
US21683757	09.09.1937	无	
JP 平 5-50055A	02.03.1993	JP3243261B2	07.01.2002